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Canon EOS RT

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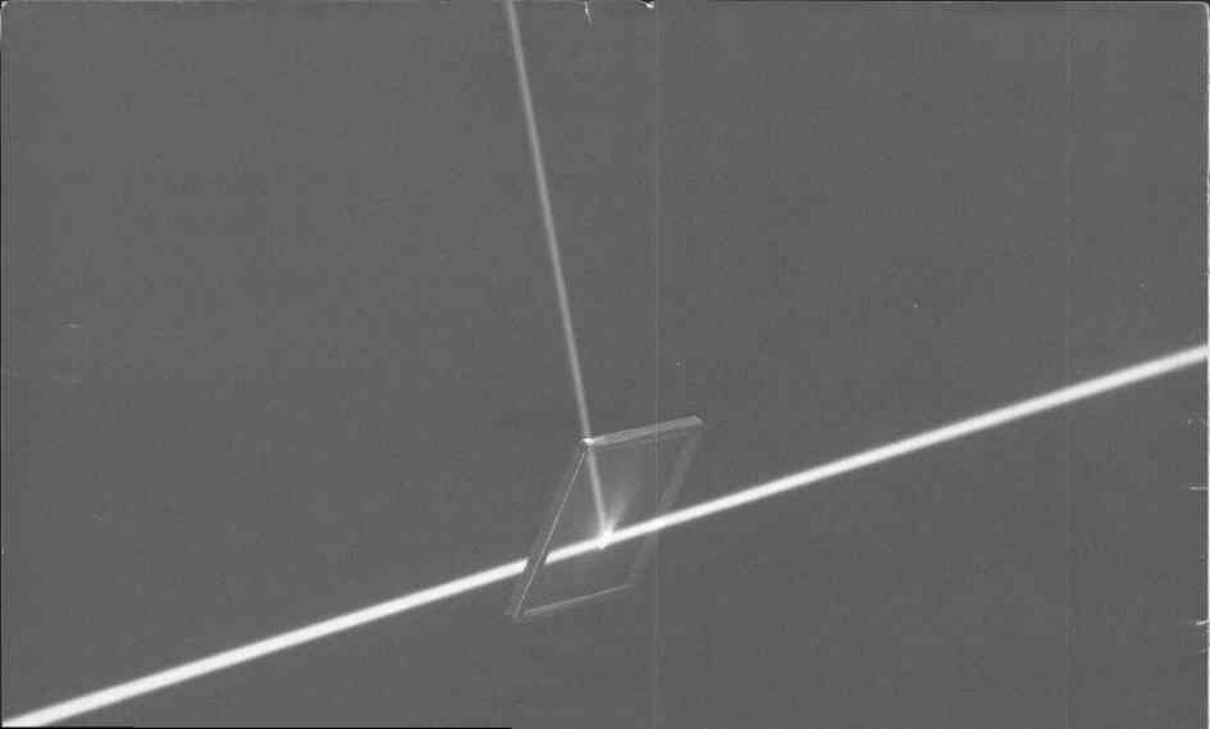
INSTRUCTIONS
English Edition

F
MODE D EMPLOI
Edition française

S
INSTRUCCIONES
Edición española



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EOS RT

Please read these instructions carefully for a thorough understanding before taking pictures. Be aware of the special handling precautions to protect your camera.

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Introduction

Featuring all the same functions as the EOS 630/EOS 600, *except* Programmed Image Control, the EOS RT features a short shutter release time lag of 8 ms.
A new pellicle mirror allows you to shoot "decisive moments" by keeping the viewfinder image unobstructed with smooth, quiet operation. Eight new Custom Function Controls have been added for more flexibility and convenience.

This booklet only covers two functions, the real-time (RT) release mode and eight new additions to the existing Custom Function Control. ***Please refer to the EOS 630/600 instruction books for all other functions.***

IMPORTANT INFORMATION
The Canon EOS RT will give optimum performance together with specially designed Canon EF lenses, flash units, and other Canon brand accessories. It is possible that the use of incompatible lenses or other accessories may result in unsatisfactory performance or damage to your Canon EOS RT.
We therefore suggest the use of Canon EF lenses and accessories. Damage to your Canon EOS RT as a result of malfunction or improper connections caused by the use of incompatible products may void its warranty.

Special Handling Precautions

- **NEVER** attempt to clean the pellicle mirror yourself. Take the camera to an authorized Canon service facility.
- Be especially careful not to damage the mirror when replacing the focusing screen.

Real Time Release Mode

The EOS RT features a "real time release mode" to capture "decisive moments." Set the main switch to "RT" to reduce the shutter release time lag to 8 ms (0.008 sec.)

There are two additional changes to be aware of with this mode:

1. The one-shot focusing mode completely overrides AI servo.
2. The beeper tone is cancelled.

When the shutter button is pressed halfway, the camera produces some operation noise similar to other single-lens reflex camera's exposure noise.

New Additions to Custom Function Control

- See pp. 69 and 70 of the EOS 630/600 instructions for setting operation and description of Functions #1-7.

Control		User-selected operation	Regular operation
8.	Change metering pattern	Changes to center-weighted average metering	Evaluative metering
9.	1/125 shutter speed lock	Aperture priority AE w/flash locks at 1/125 to prevent camera shake	Shutter speed set according to subject's peripheral brightness
10.	Continuous wind	Starts continuous wind on demand by pressing the display panel illumination button and the shutter button simultaneously	Display panel illumination button turns on light

Control		User-selected operation	Regular operation
11.	Film wind timing	Delay film wind until pressure on shutter button is released	Winds immediately after exposure
12.	Three frame continuous exposure	Limits continuous exposure to three frame sequences	Continuous exposure to end of roll
13.	Multiple exposure setting	Allows multiple exposure operatoin without resetting	Cancels upon completion
14.	Release time lag shift	Shift "real time" release lag to 40 ms, same as F-1	8 ms
15.	Cancel functions	Cancels all preset custom functions	—

Custom Function Check

To find out which functions have been set, press both the film winding mode button and the battery check button to display the control number. Turn the electronic input dial. A bar mark appears if the function is set.

Additional Information for Custom Function Control

1. When using Function #4, be sure to press the partial metering button first and then the shutter button. If the buttons are pressed in reverse order, autofocus may be impaired.
2. If Functions #10 and 12 are both set, #10 has priority.
3. When Function #10 and AEB or multiple exposures are combined, continuous exposure takes place after their completion.

Special Adjustments

1. When using the self-timer, be sure to attach the viewfinder cover if your eye will not be at the viewfinder when the shutter button is pressed.
2. The flash coupling range *decreases* by 20%; for example, 1.0 - 5.0 m/3.3 - 16.4 ft becomes 0.8 - 4.0 m/2.6 - 13.1 ft.
3. Overexpose by 2/3 step in the following cases (for example, set the film speed to ISO 64 when using ISO 100 film):
   1) When using the Speedlite 420EZ or 430EZ in the manual mode.
   2) When using A and T series Speedlites in the auto mode.
   3) When using a hand-held meter.
4. When using Speedlite 420 EZ or 430 EZ in manual mode, the *decreased* shooting distance is displayed on the Speedlite's LCD panel.
5. When using A-TTL or TTL automatic flash shooting mode, exposure compensation is not necessary.
6. The Technical Back E cannot be used.
7. When using the Quartz Date Back E, date imprinting is impossible with the real time release mode.

SPECIFICATIONS

TYPE AND MAJOR COMPONENTS

Type: 35 mm focal plane shutter SLR (Single-Lens Reflex) camera with autofocus, auto exposure and built-in motor drive.

Lens Mount: Canon EF Mount (electronic signal transfer system)

Usable Lenses: Canon EF lenses

Viewfinder: Fixed eye-level pentaprism. Gives 94% vertical and horizontal coverage of actual picture area and 0.8X magnification with 50 mm lens at infinity.
Eyepoint: 19.3 mm
Dioptric Adjustment: Built-in eyepiece is adjusted to standard -1 diopter.

Focusing Screen: New laser-matte screen with AF frame. Six optional interchangeable screens are available.

Mirror: Fixed half mirror using pellicle mirror (reflection: transparency = 35:65).

Shutter: Double-shielded, vertical-travel focal plane shutter with soft-touch electromagnetic release.

Shutter Speed: 1/2000 - 30 sec. and bulb. X-sync is 1/125 sec. Can be set in 1/2-step increments.

Viewfinder Information: Displayed at the bottom of the viewing area.

1. 7-segment LCD digit and character display
(1) Shutter speed — flashes at 2 Hz for out-of-coupling range warning.
(2) Aperture value— flashes at 2 Hz for out-of-coupling range warning.
(3) Metered manual exposure level — OP , oo , CL
(4) Depth-of-field AE — dEP 1, dEP 2
2. LCD mask character display
(1) ✳ —AE lock indicator in partial metering mode.
(2) M —Manual exposure indicator
(3) ϟ —Flash charge completion indicator
(4) +/− —Exposure compensation indicator
(5) ● —AF in-focus indicator (flashes at 6 Hz when AF is not possible.)

AUTOFOCUS

AF Control System: TTL-SIR (Secondary Image Registration) phase detection type using BASIS (Base-Stored Image Sensor). Two modes available: One-shot and AI servo with Focus Prediction (cannot be set with the main switch set at "RT"). Manual focusing also possible.

AF Working Range: EV 1 - 18 at ISO 100.

AF Auxiliary Light: Specified Speedlites automatically project light through an ultra-bright LED (peak sensitivity: 700 nm).

EXPOSURE CONTROL

Light Metering: TTL full aperture metering using SPC (Silicon Photocell). Three metering patterns available: 6-zone evaluative metering, partial metering (approx. 6.5 % of the picture area, and center-weighted average metering (with Custom Function #8).

Metering Range: EV −0.5 - 20 in normal temperature (conversion with 50 mm f/1.4 at ISO 100)

Shooting Modes:

1. Intelligent Program AE with Variable Program Shift Function
2. Depth-of-Field AE
3. Shutter-Priority AE
4. Aperture-Priority AE
5. Manual
6. Flash AE (A-TTL program flash AE with specified Canon Speedlites)

Camera Shake Warning: Operates when the main switch is set at ((·)) for Program AE, Aperture-priority AE, and Depth-of-field AE modes. When automatically set shutter speed falls 0 to 0.5 steps below 1/focal length of the lens in use, the electronic beeper sounds. Beeper can also be canceled by setting the main switch at "A" or "RT", or with Custom Function #6.

Multiple Exposures: Up to nine exposures can be preset. Automatically clears upon completion.

Exposure Compensation: +/– 5 steps in 1/2 step increments.

Automatic Exposure Bracketing: +/– 5 steps in 1/2 step increments. Three continuous exposures are taken in sequence: one under, one at the standard metered value and one over.

Depth-of-Field Preview: With Depth-of-Field Check Button.

FILM TRANSPORT

Film Speed Setting: ISO 25 - 2500; automatically set in 1/3-step increments according to DX code. ISO 6 - 6400 can also be set manually.

Film Loading: Automatic (approx. 1 sec.)

Film Wind: Automatic. Two modes available: S (Single Frame) and C (Continuous at up to 5 fps.)

Film Rewind: Automatic (approx. 6 sec. with 24-exp film). Mid-roll rewind also possible.

POWER SOURCE

Battery: One, six-volt lithium battery pack (2CR5). Replaced by removing grip.

Battery Check: By pressing the battery check button.

Shooting Capacity (with 24-exp. film):

Temperature	Regular shooting	Continuous shooting
Normal (68°F/20°C)	75 rolls	150 rolls
Low (–4°F/–20°C)	8 rolls	15 rolls

OTHER

Remote Control: By using Grip GR-20 and Remote Switch 60 T3 (available optionally)

Data Display: In the viewfinder and LCD display panel

Self-timer: Electronically controlled with a 10-sec. delay

DIMENSIONS

Size: 5-13/16" (W) X 4-1/4" (H) X 2-5/8" (D) (148 X 108.3 X 67.5 mm)

Weight: 23.1 oz. (660 g) without battery 24.5 oz. (700 g) with battery

All data are based on Canon's Standard Test Method.

Subject to change without notice.

Notice

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications set forth in Subpart J of Part 15 of the FCC Rules. If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, use the equipment in another location. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"INTERFERENCE HANDBOOK"
This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 044-000-00450-7.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

EOS RT

Veuillez lire attentivement ce mode d'emploi pour assimiler toutes les fonctions de l'appareil avant de l'utiliser.
Faites attention des précautions spéciales pour protéger votre appareil.

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ALIMENTACION

Pila: Un paquete de pilas de litio 6V (2CR5). Se sustituye quitando la empuñadura.

Chequeo de pila: Pulsando el botón de che-queo de pila. En el panel de indicación aparecen tres niveles de energía mediante barras.

Capacidad de disparo (con película de 24 exp.):

Temperatura	Disparo normal	Disparo continuo
Normal (68°F/20°C)	75 rollos	150 rollos
Baja (−4°F/−20°C)	8 rollos	15 rollos

OTROS

Control remoto: Con la empuñadura GR-20 y el interruptor remoto 60 T3 (disponibles opcionalmente)

Indicación de datos: En visor y panel LCD de indicación.

Autodisparo: De control electrónico y demora de 10 seg.

DIMENSIONES

Tamaño: 148 × 108,3 × 67,5 mm (An × Al × Fo)

Peso: 660 g sin la pila, 700 g con la pila.

Todos los datos basados en el Método de Pruebas Estándar de Canon.
Sujeto a cambio sin previo aviso.

Canon

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